

Great Barrington

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	5.61	3	NC*	Male	3.37	3	NC*
Female	2.67	0	NC*	Female	2.89	0	NC*
Total	8.29	3	NC*	Total	6.25	3	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.70	3	NC*	Male	1.05	0	NC*
Female	1.51	1	NC*	Female	1.11	0	NC*
Total	3.21	4	NC*	Total	2.17	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.35	0	NC*	Male	4.26	5	117
Female	37.48	35	93	Female	4.55	3	NC*
Total	37.84	35	93	Total	8.81	8	91
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.07	3	NC*	Male	3.46	3	NC*
				Female	1.92	1	NC*
				Total	5.38	4	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	14.00	18	129	Female	4.34	2	NC*
Female	16.79	9	54				
Total	30.79	27	88				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.98	1	NC*	Male	2.17	5	230
Female	0.87	0	NC*	Female	2.88	1	NC*
Total	2.85	1	NC*	Total	5.06	6	119
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.75	1	NC*	Male	32.96	27	82
Female	0.68	0	NC*				
Total	1.43	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.16	2	NC*	Male	2.35	3	NC*
Female	2.26	1	NC*	Female	1.83	0	NC*
Total	5.42	3	NC*	Total	4.18	3	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.81	2	NC*	Male	1.09	0	NC*
Female	0.53	1	NC*				
Total	2.34	3	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.35	1	NC*	Male	0.64	0	NC*
Female	2.17	3	NC*	Female	1.80	2	NC*
Total	4.51	4	NC*	Total	2.44	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.16	0	NC*	Female	7.18	5	70
Female	0.59	0	NC*				
Total	1.75	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	17.56	13	74	Male	109.25	98	90
Female	15.53	11	71	Female	121.06	85	70 ^-
Total	33.10	24	73	Total	230.31	183	79 ~-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs** / **Exp**] X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.01$ and $p \leq 0.05$ levels

Greenfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	12.85	9	70	Male	7.43	11	148
Female	5.87	2	NC*	Female	6.27	5	80
Total	18.71	11	59	Total	13.70	16	117
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.75	4	NC*	Male	2.35	1	NC*
Female	3.31	7	212	Female	2.41	2	NC*
Total	7.06	11	156	Total	4.76	3	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.79	2	NC*	Male	9.54	8	84
Female	80.07	87	109	Female	9.99	14	140
Total	80.86	89	110	Total	19.53	22	113
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	4.51	2	NC*	Male	7.49	7	93
				Female	4.13	2	NC*
				Total	11.62	9	77
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	31.93	28	88	Female	9.30	11	118
Female	36.94	39	106				
Total	68.87	67	97				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	4.38	2	NC*	Male	4.90	8	163
Female	1.92	2	NC*	Female	6.34	9	142
Total	6.30	4	NC*	Total	11.24	17	151
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.70	1	NC*	Male	73.62	53	72 #-
Female	1.54	2	NC*				
Total	3.25	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	6.92	8	116	Male	5.36	3	NC*
Female	4.90	4	NC*	Female	4.03	3	NC*
Total	11.82	12	102	Total	9.39	6	64
<u>Larynx</u>				<u>Testis</u>			
Male	3.93	3	NC*	Male	2.50	4	NC*
Female	1.14	1	NC*				
Total	5.07	4	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			

Male	5.28	1	NC*
Female	4.74	8	169
Total	10.02	9	90

Liver and Intrahepatic Bile Ducts

Male	2.56	3	NC*
Female	1.30	0	NC*
Total	3.86	3	NC*

Lung and Bronchus

Male	39.25	43	110
Female	33.79	29	86
Total	73.04	72	99

Male	1.39	0	NC*
Female	3.98	3	NC*
Total	5.37	3	NC*

Uteri, Corpus and Uterus, NOS

Female	15.25	25	164 #+
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All Sites / Types

Male	244.84	218	89
Female	262.24	283	108
Total	507.08	501	99

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

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Groton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.33	10	231 #+	Male	3.18	4	NC*
Female	1.48	2	NC*	Female	2.39	2	NC*
Total	5.81	12	207 #+	Total	5.57	6	108
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.72	3	NC*	Male	0.86	0	NC*
Female	1.25	0	NC*	Female	0.72	1	NC*
Total	2.98	3	NC*	Total	1.59	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.30	0	NC*	Male	3.92	1	NC*
Female	29.67	20	67	Female	3.04	1	NC*
Total	29.97	20	67	Total	6.96	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.99	4	NC*	Male	3.42	2	NC*
				Female	1.37	2	NC*
				Total	4.80	4	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	10.89	4	NC*	Female	3.54	4	NC*
Female	9.25	6	65				
Total	20.14	10	50 #-				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.77	2	NC*	Male	1.83	1	NC*
Female	0.46	1	NC*	Female	1.59	2	NC*
Total	2.23	3	NC*	Total	3.42	3	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.85	0	NC*	Male	27.36	26	95

Female	0.66	1	NC*				
Total	1.51	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.91	2	NC*	Male	1.91	1	NC*
Female	1.58	1	NC*	Female	1.00	0	NC*
Total	4.49	3	NC*	Total	2.91	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.70	0	NC*	Male	1.28	2	NC*
Female	0.42	0	NC*				
Total	2.12	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.14	2	NC*	Male	0.71	1	NC*
Female	1.56	2	NC*	Female	1.83	2	NC*
Total	3.70	4	NC*	Total	2.54	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.06	0	NC*	Female	5.63	1	NC*
Female	0.35	0	NC*				
Total	1.41	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	14.51	8	55	Male	93.04	70	75 #-
Female	10.68	7	66	Female	86.35	64	74 #-
Total	25.19	15	60 #-	Total	179.39	134	75 ^-

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Groveland

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.01	4	NC*	Male	2.11	0	NC*
Female	1.13	1	NC*	Female	1.61	3	NC*
Total	4.14	5	121	Total	3.71	3	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.14	0	NC*	Male	0.59	0	NC*
Female	0.86	0	NC*	Female	0.53	0	NC*
Total	2.00	0	NC*	Total	1.13	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.20	0	NC*	Male	2.62	5	191
Female	20.52	17	83	Female	2.21	1	NC*
Total	20.73	17	82	Total	4.82	6	124
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.28	1	NC*	Male	2.25	0	NC*
				Female	0.98	0	NC*

				Total	3.22	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	7.68	10	130				
Female	7.04	10	142	Female	2.43	1	NC*
Total	14.72	20	136				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.21	1	NC*	Male	1.26	0	NC*
Female	0.36	0	NC*	Female	1.23	2	NC*
Total	1.56	1	NC*	Total	2.49	2	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.56	1	NC*	Male	19.70	18	91
Female	0.42	4	NC*				
Total	0.98	5	512 ~+				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.96	2	NC*	Male	1.29	2	NC*
Female	1.15	1	NC*	Female	0.75	1	NC*
Total	3.11	3	NC*	Total	2.05	3	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.15	2	NC*	Male	0.84	2	NC*
Female	0.30	0	NC*				
Total	1.45	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.43	1	NC*	Male	0.46	1	NC*
Female	1.09	1	NC*	Female	1.16	1	NC*
Total	2.52	2	NC*	Total	1.61	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.72	0	NC*				
Female	0.27	2	NC*	Female	3.95	6	152
Total	0.99	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	10.30	10	97	Male	64.81	61	94
Female	7.95	8	101	Female	61.45	63	103
Total	18.25	18	99	Total	126.26	124	98

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Hadley

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.71	3	NC*	Male	2.15	2	NC*
Female	1.44	2	NC*	Female	1.61	2	NC*
Total	5.14	5	97	Total	3.76	4	NC*

Brain and Other Central Nervous System

Male	1.07	0	NC*
Female	0.86	1	NC*
Total	1.93	1	NC*

Breast

Male	0.23	0	NC*
Female	21.12	29	137
Total	21.35	29	136

Cervix Uteri

Female	1.17	0	NC*
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Colon / Rectum

Male	9.25	9	97
Female	9.06	4	NC*
Total	18.31	13	71

Esophagus

Male	1.27	1	NC*
Female	0.47	0	NC*
Total	1.73	1	NC*

Hodgkin's Disease

Male	0.49	0	NC*
Female	0.38	0	NC*
Total	0.87	0	NC*

Kidney and Renal Pelvis

Male	2.01	2	NC*
Female	1.28	0	NC*
Total	3.29	2	NC*

Larynx

Male	1.14	1	NC*
Female	0.31	0	NC*
Total	1.45	1	NC*

Leukemia

Male	1.49	0	NC*
Female	1.17	0	NC*
Total	2.66	0	NC*

Liver and Intrahepatic Bile Ducts

Male	0.74	1	NC*
Female	0.33	0	NC*
Total	1.07	1	NC*

Lung and Bronchus

Male	11.44	8	70
Female	9.05	6	66
Total	20.49	14	68

Multiple Myeloma

Male	0.68	0	NC*
Female	0.62	0	NC*
Total	1.31	0	NC*

Non-Hodgkin's Lymphoma

Male	2.75	5	182
Female	2.55	2	NC*
Total	5.30	7	132

Oral Cavity and Pharynx

Male	2.16	4	NC*
Female	1.07	1	NC*
Total	3.23	5	155

Ovary

Female	2.45	3	NC*
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Pancreas

Male	1.41	0	NC*
Female	1.57	0	NC*
Total	2.98	0	NC*

Prostate

Male	21.47	10	47 ~-
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Stomach

Male	1.54	2	NC*
Female	0.97	0	NC*
Total	2.51	2	NC*

Testis

Male	0.74	1	NC*
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Thyroid

Male	0.40	0	NC*
Female	1.03	2	NC*
Total	1.43	2	NC*

Uteri, Corpus and Uterus, NOS

Female	4.09	4	NC*
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All Sites / Types

Male	71.01	55	77
Female	67.64	59	87
Total	138.65	114	82 #-

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Halifax

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.27	6	140	Male	2.76	3	NC*
Female	1.72	3	NC*	Female	2.24	5	223
Total	6.00	9	150	Total	5.01	8	160
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.44	3	NC*	Male	0.82	0	NC*
Female	1.19	2	NC*	Female	0.77	1	NC*
Total	2.63	5	190	Total	1.59	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.28	0	NC*	Male	3.47	5	144
Female	28.42	31	109	Female	3.21	2	NC*
Total	28.69	31	108	Total	6.68	7	105
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.75	2	NC*	Male	2.86	5	175
<u>Colon / Rectum</u>				Female	1.38	2	NC*
Male	10.67	15	141	Total	4.25	7	165
Female	10.83	7	65	<u>Ovary</u>			
Total	21.49	22	102	Female	3.34	0	NC*
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.57	0	NC*	Male	1.69	1	NC*
Female	0.55	1	NC*	Female	1.86	3	NC*
Total	2.12	1	NC*	Total	3.55	4	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.68	0	NC*	Male	25.36	32	126
Female	0.58	0	NC*	<u>Stomach</u>			
Total	1.27	0	NC*	Male	1.82	4	NC*
<u>Kidney and Renal Pelvis</u>				Female	1.17	0	NC*
Male	2.56	1	NC*	Total	2.99	4	NC*
Female	1.63	1	NC*	<u>Testis</u>			
Total	4.18	2	NC*	Male	1.02	0	NC*
<u>Larynx</u>				<u>Thyroid</u>			
Male	1.46	0	NC*	Male	0.56	1	NC*
Female	0.41	0	NC*	Female	1.57	1	NC*
Total	1.87	0	NC*	Total	2.14	2	NC*
<u>Leukemia</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.91	4	NC*	Female	5.43	7	129
Female	1.57	0	NC*	<u>All Sites / Types</u>			
Total	3.48	4	NC*				
<u>Liver and Intrahepatic Bile Ducts</u>							
Male	0.93	1	NC*				
Female	0.40	0	NC*				
Total	1.33	1	NC*				
<u>Lung and Bronchus</u>							

Male	13.58	15	110
Female	11.18	14	125
Total	24.76	29	117

Male	85.65	101	118
Female	87.55	86	98
Total	173.20	187	108

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SIR = standardized incidence ratio [**Obs** / **Exp**) X 100]

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Hamilton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	5.15	4	NC*	Male	3.37	7	208
Female	1.75	1	NC*	Female	2.46	3	NC*
Total	6.90	5	72	Total	5.83	10	171
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.77	1	NC*	Male	0.99	0	NC*
Female	1.30	1	NC*	Female	0.82	1	NC*
Total	3.08	2	NC*	Total	1.81	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.34	0	NC*	Male	4.21	2	NC*
Female	31.73	23	72	Female	3.40	3	NC*
Total	32.07	23	72	Total	7.61	5	66
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.96	2	NC*	Male	3.58	1	NC*
				Female	1.51	2	NC*
				Total	5.09	3	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	13.02	5	38 #-	Female	3.74	4	NC*
Female	10.88	8	74				
Total	23.91	13	54 #-				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.98	0	NC*	Male	2.10	4	NC*
Female	0.56	0	NC*	Female	1.92	2	NC*
Total	2.54	0	NC*	Total	4.02	6	149
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.82	1	NC*	Male	32.64	31	95
Female	0.63	1	NC*				
Total	1.45	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.16	1	NC*	Male	2.19	1	NC*
Female	1.79	0	NC*	Female	1.17	2	NC*
Total	4.95	1	NC*	Total	3.36	3	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.86	3	NC*	Male	1.21	2	NC*

Female	0.47	0	NC*
Total	2.33	3	NC*

Leukemia

Male	2.29	3	NC*
Female	1.65	2	NC*
Total	3.93	5	127

Liver and Intrahepatic Bile Ducts

Male	1.16	0	NC*
Female	0.42	1	NC*
Total	1.58	1	NC*

Lung and Bronchus

Male	17.06	10	59
Female	12.37	8	65
Total	29.44	18	61 #-

Thyroid

Male	0.69	0	NC*
Female	1.75	0	NC*
Total	2.44	0	NC*

Uteri, Corpus and Uterus, NOS

Female	6.13	7	114
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All Sites / Types

Male	106.70	84	79 #-
Female	94.92	75	79 #-
Total	201.62	159	79 ~-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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SIR = standardized incidence ratio [**Obs** / **Exp**] X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

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^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.01$ and $p \leq 0.05$ levels

Hampden

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.04	3	NC*	Male	1.98	2	NC*
Female	1.14	0	NC*	Female	1.49	2	NC*
Total	4.18	3	NC*	Total	3.46	4	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.02	1	NC*	Male	0.59	2	NC*
Female	0.77	2	NC*	Female	0.51	2	NC*
Total	1.79	3	NC*	Total	1.10	4	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.20	0	NC*	Male	2.46	3	NC*
Female	19.28	18	93	Female	2.10	2	NC*
Total	19.48	18	92	Total	4.56	5	110
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.14	0	NC*	Male	2.10	3	NC*
				Female	0.94	0	NC*
				Total	3.04	3	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	7.65	7	92	Female	2.25	1	NC*
Female	7.11	2	NC*				
Total	14.76	9	61				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.16	1	NC*	Male	1.23	3	NC*
Female	0.36	2	NC*	Female	1.23	0	NC*

Total	1.52	3	NC*
<u>Hodgkin's Disease</u>			
Male	0.46	0	NC*
Female	0.36	0	NC*
Total	0.82	0	NC*

<u>Kidney and Renal Pelvis</u>			
Male	1.85	3	NC*
Female	1.09	0	NC*
Total	2.94	3	NC*

<u>Larynx</u>			
Male	1.08	1	NC*
Female	0.28	0	NC*
Total	1.36	1	NC*

<u>Leukemia</u>			
Male	1.33	1	NC*
Female	1.03	4	NC*
Total	2.36	5	212

<u>Liver and Intrahepatic Bile Ducts</u>			
Male	0.68	1	NC*
Female	0.26	0	NC*
Total	0.94	1	NC*

<u>Lung and Bronchus</u>			
Male	9.94	7	70
Female	7.44	4	NC*
Total	17.38	11	63

Total	2.47	3	NC*
<u>Prostate</u>			
Male	18.88	18	95

<u>Stomach</u>			
Male	1.30	3	NC*
Female	0.77	0	NC*
Total	2.07	3	NC*

<u>Testis</u>			
Male	0.67	0	NC*

<u>Thyroid</u>			
Male	0.40	0	NC*
Female	1.01	2	NC*
Total	1.40	2	NC*

<u>Uteri, Corpus and Uterus, NOS</u>			
Female	3.71	2	NC*

<u>All Sites / Types</u>			
Male	62.17	60	97
Female	58.46	44	75
Total	120.63	104	86

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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SIR = standardized incidence ratio [**Obs / Exp**] X 100]

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Hancock

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	0.51	0	NC*
Female	0.16	0	NC*
Total	0.67	0	NC*

<u>Brain and Other Central Nervous System</u>			
Male	0.16	0	NC*
Female	0.12	0	NC*
Total	0.28	0	NC*

<u>Breast</u>			
Male	0.03	0	NC*
Female	2.94	0	NC*
Total	2.98	0	NC*

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	0.32	0	NC*
Female	0.23	0	NC*
Total	0.54	0	NC*

<u>Multiple Myeloma</u>			
Male	0.10	1	NC*
Female	0.08	0	NC*
Total	0.18	1	NC*

<u>Non-Hodgkin's Lymphoma</u>			
Male	0.39	0	NC*
Female	0.31	0	NC*
Total	0.71	0	NC*

Cervix Uteri

Female	0.18	0	NC*
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Colon / Rectum

Male	1.27	1	NC*
Female	1.01	0	NC*
Total	2.29	1	NC*

Esophagus

Male	0.18	0	NC*
Female	0.05	0	NC*
Total	0.24	0	NC*

Hodgkin's Disease

Male	0.07	0	NC*
Female	0.05	0	NC*
Total	0.12	0	NC*

Kidney and Renal Pelvis

Male	0.30	0	NC*
Female	0.16	0	NC*
Total	0.46	0	NC*

Larynx

Male	0.17	0	NC*
Female	0.04	0	NC*
Total	0.21	0	NC*

Leukemia

Male	0.21	0	NC*
Female	0.15	0	NC*
Total	0.36	0	NC*

Liver and Intrahepatic Bile Ducts

Male	0.11	0	NC*
Female	0.04	0	NC*
Total	0.15	0	NC*

Lung and Bronchus

Male	1.63	0	NC*
Female	1.14	0	NC*
Total	2.78	0	NC*

Oral Cavity and Pharynx

Male	0.33	0	NC*
Female	0.14	0	NC*
Total	0.47	0	NC*

Ovary

Female	0.34	0	NC*
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Pancreas

Male	0.20	0	NC*
Female	0.18	0	NC*
Total	0.37	0	NC*

Prostate

Male	3.05	1	NC*
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Stomach

Male	0.21	0	NC*
Female	0.11	0	NC*
Total	0.32	0	NC*

Testis

Male	0.10	0	NC*
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Thyroid

Male	0.06	0	NC*
Female	0.16	0	NC*
Total	0.22	0	NC*

Uteri, Corpus and Uterus, NOS

Female	0.57	1	NC*
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All Sites / Types

Male	10.11	3	NC*
Female	8.77	1	NC*
Total	18.87	4	NC*

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Hanover

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

<u>Bladder, Urinary</u>	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>	<u>Melanoma of Skin</u>	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
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Male	6.77	3	NC*
Female	2.63	5	190
Total	9.41	8	85

Brain and Other Central Nervous System

Male	2.60	1	NC*
Female	2.01	4	NC*
Total	4.61	5	109

Breast

Male	0.46	1	NC*
Female	48.95	47	96
Total	49.41	48	97

Cervix Uteri

Female	3.02	3	NC*
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Colon / Rectum

Male	17.25	24	139
Female	16.38	19	116
Total	33.63	43	128

Esophagus

Male	2.75	5	182
Female	0.83	0	NC*
Total	3.58	5	140

Hodgkin's Disease

Male	1.25	0	NC*
Female	0.96	0	NC*
Total	2.21	0	NC*

Kidney and Renal Pelvis

Male	4.47	5	112
Female	2.73	0	NC*
Total	7.20	5	69

Larynx

Male	2.63	2	NC*
Female	0.73	0	NC*
Total	3.36	2	NC*

Leukemia

Male	3.22	5	155
Female	2.53	3	NC*
Total	5.75	8	139

Liver and Intrahepatic Bile Ducts

Male	1.63	0	NC*
Female	0.63	0	NC*
Total	2.26	0	NC*

Lung and Bronchus

Male	23.23	15	65
Female	18.87	27	143
Total	42.10	42	100

Male	4.81	5	104
Female	3.79	6	158
Total	8.59	11	128

Multiple Myeloma

Male	1.34	1	NC*
Female	1.26	1	NC*
Total	2.60	2	NC*

Non-Hodgkin's Lymphoma

Male	5.94	5	84
Female	5.17	5	97
Total	11.11	10	90

Oral Cavity and Pharynx

Male	5.17	3	NC*
Female	2.31	3	NC*
Total	7.48	6	80

Ovary

Female	5.78	3	NC*
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Pancreas

Male	2.85	1	NC*
Female	2.87	2	NC*
Total	5.72	3	NC*

Prostate

Male	44.37	46	104
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Stomach

Male	2.93	2	NC*
Female	1.75	3	NC*
Total	4.68	5	107

Testis

Male	1.88	3	NC*
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Thyroid

Male	1.05	2	NC*
Female	2.70	2	NC*
Total	3.75	4	NC*

Uteri, Corpus and Uterus, NOS

Female	9.47	13	137
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All Sites / Types

Male	146.37	133	91
Female	145.28	160	110
Total	291.65	293	100

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Hanson

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.89	6	123	Male	3.44	1	NC*
Female	1.79	3	NC*	Female	2.65	3	NC*
Total	6.68	9	135	Total	6.09	4	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.86	1	NC*	Male	0.96	0	NC*
Female	1.41	1	NC*	Female	0.85	1	NC*
Total	3.27	2	NC*	Total	1.81	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.33	0	NC*	Male	4.29	2	NC*
Female	33.32	32	96	Female	3.55	2	NC*
Total	33.65	32	95	Total	7.84	4	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.14	3	NC*	Male	3.65	3	NC*
				Female	1.57	4	NC*
				Total	5.23	7	134
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	12.37	15	121	Female	3.96	3	NC*
Female	11.20	6	54				
Total	23.58	21	89				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.94	1	NC*	Male	2.03	2	NC*
Female	0.57	0	NC*	Female	1.94	0	NC*
Total	2.51	1	NC*	Total	3.97	2	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.92	1	NC*	Male	31.04	31	100
Female	0.71	3	NC*				
Total	1.64	4	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.17	1	NC*	Male	2.12	1	NC*
Female	1.85	2	NC*	Female	1.21	0	NC*
Total	5.01	3	NC*	Total	3.33	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.85	2	NC*	Male	1.40	5	356 #+
Female	0.48	0	NC*				
Total	2.33	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.34	2	NC*	Male	0.75	2	NC*
Female	1.79	3	NC*	Female	1.95	2	NC*
Total	4.12	5	121	Total	2.71	4	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.16	0	NC*				

Female	0.43	0	NC*
Total	1.58	0	NC*

Female	6.37	6	94
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Lung and Bronchus

Male	16.37	18	110
Female	12.59	7	56
Total	28.96	25	86

All Sites / Types

Male	103.97	100	96
Female	99.19	87	88
Total	203.17	187	92

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indicates statistical significance at the $p \leq 0.05$ level

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Hardwick

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.72	1	NC*	Male	1.05	0	NC*
Female	0.67	0	NC*	Female	0.79	1	NC*
Total	2.39	1	NC*	Total	1.84	1	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.54	0	NC*	Male	0.32	0	NC*
Female	0.42	0	NC*	Female	0.29	0	NC*
Total	0.96	0	NC*	Total	0.61	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.11	0	NC*	Male	1.34	2	NC*
Female	9.98	8	80	Female	1.20	3	NC*
Total	10.09	8	79	Total	2.54	5	197
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.59	0	NC*	Male	1.07	0	NC*
				Female	0.50	0	NC*
				Total	1.57	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	4.27	4	NC*	Female	1.17	2	NC*
Female	4.22	4	NC*				
Total	8.49	8	94				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.60	2	NC*	Male	0.66	0	NC*
Female	0.22	0	NC*	Female	0.72	0	NC*
Total	0.82	2	NC*	Total	1.38	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.26	0	NC*	Male	9.87	5	51
Female	0.21	0	NC*				
Total	0.46	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.97	0	NC*	Male	0.73	0	NC*
Female	0.59	0	NC*	Female	0.46	2	NC*

Larynx	Total	1.57	0	NC*	Testis	Total	1.18	2	NC*
	Male	0.55	0	NC*		Male	0.38	0	NC*
	Female	0.14	0	NC*					
	Total	0.69	0	NC*					
Leukemia	Male	0.74	0	NC*	Thyroid	Male	0.21	0	NC*
	Female	0.58	0	NC*		Female	0.54	0	NC*
	Total	1.32	0	NC*		Total	0.74	0	NC*
Liver and Intrahepatic Bile Ducts	Male	0.36	0	NC*	Uteri, Corpus and Uterus, NOS	Female	1.90	6	315 #+
	Female	0.15	0	NC*					
	Total	0.51	0	NC*					
Lung and Bronchus	Male	5.30	3	NC*	All Sites / Types	Male	33.38	19	57 #-
	Female	4.12	4	NC*		Female	31.86	32	100
	Total	9.42	7	74		Total	65.24	51	78

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indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.01$ and $p \leq 0.05$ levels

Harvard

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.74	2	NC*	Male	3.58	4	NC*
Female	0.98	1	NC*	Female	2.27	2	NC*
Total	4.72	3	NC*	Total	5.85	6	103
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.18	2	NC*	Male	0.76	0	NC*
Female	1.21	3	NC*	Female	0.52	0	NC*
Total	3.39	5	148	Total	1.28	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.27	1	NC*	Male	4.59	1	NC*
Female	24.98	20	80	Female	2.45	3	NC*
Total	25.25	21	83	Total	7.03	4	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.11	2	NC*	Male	3.46	1	NC*
				Female	1.09	1	NC*
				Total	4.55	2	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	9.58	3	NC*	Female	3.13	2	NC*
Female	6.09	8	131				
Total	15.68	11	70				

Esophagus

Male	1.59	0	NC*
Female	0.29	1	NC*
Total	1.88	1	NC*

Hodgkin's Disease

Male	1.55	1	NC*
Female	0.81	0	NC*
Total	2.36	1	NC*

Kidney and Renal Pelvis

Male	2.86	1	NC*
Female	1.25	0	NC*
Total	4.11	1	NC*

Larynx

Male	1.58	1	NC*
Female	0.33	0	NC*
Total	1.91	1	NC*

Leukemia

Male	2.45	1	NC*
Female	1.40	1	NC*
Total	3.85	2	NC*

Liver and Intrahepatic Bile Ducts

Male	1.03	0	NC*
Female	0.25	0	NC*
Total	1.29	0	NC*

Lung and Bronchus

Male	12.78	5	39 #-
Female	7.97	8	100
Total	20.75	13	63

Pancreas

Male	1.64	1	NC*
Female	1.05	1	NC*
Total	2.69	2	NC*

Prostate

Male	23.07	17	74
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Stomach

Male	1.74	0	NC*
Female	0.68	1	NC*
Total	2.42	1	NC*

Testis

Male	2.77	0	NC*
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Thyroid

Male	1.04	0	NC*
Female	2.08	2	NC*
Total	3.12	2	NC*

Uteri, Corpus and Uterus, NOS

Female	4.52	1	NC*
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All Sites / Types

Male	89.31	42	47 ^-
Female	69.93	62	89
Total	159.25	104	65 ^-

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Harwich

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	14.36	14	97
Female	5.41	13	240 ~+
Total	19.77	27	137

Brain and Other Central Nervous System

Male	3.10	5	161
Female	2.65	1	NC*
Total	5.75	6	104

Breast

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	6.87	10	146
Female	4.89	10	204
Total	11.76	20	170 #+

Multiple Myeloma

Male	2.50	5	200
Female	2.20	1	NC*
Total	4.70	6	128

Non-Hodgkin's Lymphoma

Male	0.83	0	NC*
Female	67.26	99	147 ^+
Total	68.10	99	145 ^+

Cervix Uteri

Female	3.14	1	NC*
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Colon / Rectum

Male	35.03	39	111
Female	34.12	40	117
Total	69.16	79	114

Esophagus

Male	4.34	4	NC*
Female	1.79	1	NC*
Total	6.13	5	82

Hodgkin's Disease

Male	1.07	2	NC*
Female	0.98	0	NC*
Total	2.05	2	NC*

Kidney and Renal Pelvis

Male	6.60	13	197 #+
Female	4.36	5	115
Total	10.96	18	164

Larynx

Male	3.68	5	136
Female	1.01	1	NC*
Total	4.70	6	128

Leukemia

Male	5.07	5	99
Female	3.92	1	NC*
Total	8.99	6	67

Liver and Intrahepatic Bile Ducts

Male	2.46	1	NC*
Female	1.19	0	NC*
Total	3.66	1	NC*

Lung and Bronchus

Male	40.54	37	91
Female	31.08	34	109
Total	71.62	71	99

Male	8.99	10	111
Female	8.80	15	171
Total	17.79	25	141

Oral Cavity and Pharynx

Male	6.71	6	89
Female	3.60	9	250 #+
Total	10.31	15	146

Ovary

Female	7.62	11	144
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Pancreas

Male	5.13	11	214 #+
Female	5.88	7	119
Total	11.02	18	163

Prostate

Male	75.44	118	156 ^+
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Stomach

Male	5.84	8	137
Female	3.66	4	NC*
Total	9.50	12	126

Testis

Male	1.26	1	NC*
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Thyroid

Male	0.96	1	NC*
Female	2.57	1	NC*
Total	3.54	2	NC*

Uteri, Corpus and Uterus, NOS

Female	13.20	20	152
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All Sites / Types

Male	247.94	315	127 ^+
Female	227.39	291	128 ^+
Total	475.33	606	127 ^+

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Hatfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	2.34	3	NC*	Male	1.38	1	NC*
Female	0.96	2	NC*	Female	1.08	0	NC*
Total	3.30	5	152	Total	2.45	1	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.68	1	NC*	Male	0.44	0	NC*
Female	0.58	2	NC*	Female	0.42	0	NC*
Total	1.27	3	NC*	Total	0.86	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.15	0	NC*	Male	1.74	0	NC*
Female	14.30	18	126	Female	1.71	2	NC*
Total	14.45	18	125	Total	3.45	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.78	1	NC*	Male	1.41	3	NC*
				Female	0.72	0	NC*
				Total	2.13	3	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	5.81	4	NC*	Female	1.65	1	NC*
Female	6.05	3	NC*				
Total	11.86	7	59				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.81	1	NC*	Male	0.90	0	NC*
Female	0.31	0	NC*	Female	1.04	0	NC*
Total	1.12	1	NC*	Total	1.94	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.30	1	NC*	Male	13.52	6	44 #-
Female	0.25	0	NC*				
Total	0.55	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.29	0	NC*	Male	0.98	0	NC*
Female	0.87	0	NC*	Female	0.64	1	NC*
Total	2.16	0	NC*	Total	1.62	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.74	0	NC*	Male	0.43	0	NC*
Female	0.22	0	NC*				
Total	0.95	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.95	0	NC*	Male	0.26	1	NC*
Female	0.78	1	NC*	Female	0.68	1	NC*
Total	1.74	1	NC*	Total	0.93	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.47	1	NC*	Female	2.79	6	215
Female	0.22	0	NC*				
Total	0.69	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	7.22	12	166	Male	44.90	38	85
Female	6.15	2	NC*	Female	45.57	46	101
Total	13.37	14	105	Total	90.47	84	93

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Haverhill

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	29.11	33	113	Male	18.90	8	42 ~-
Female	13.17	14	106	Female	16.39	9	55
Total	42.27	47	111	Total	35.29	17	48 ~-
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	10.14	8	79	Male	5.45	4	NC*
Female	8.70	8	92	Female	5.65	1	NC*
Total	18.84	16	85	Total	11.09	5	45
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	1.86	1	NC*	Male	24.24	18	74
Female	201.43	184	91	Female	23.99	28	117
Total	203.29	185	91	Total	48.23	46	95
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	12.73	14	110	Male	18.86	21	111
				Female	10.02	12	120
				Total	28.87	33	114
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	72.89	66	91	Female	23.85	28	117
Female	82.87	87	105				
Total	155.76	153	98				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	10.40	16	154	Male	11.42	12	105
Female	4.26	8	188	Female	14.23	10	70
Total	14.67	24	164 #+	Total	25.65	22	86
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	5.40	8	148	Male	170.53	144	84 #-
Female	4.55	6	132				
Total	9.95	14	141				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	16.98	21	124	Male	12.38	12	97
Female	11.85	13	110	Female	9.04	10	111
Total	28.82	34	118	Total	21.42	22	103
<u>Larynx</u>				<u>Testis</u>			
Male	9.58	8	84	Male	8.61	4	NC*
Female	2.82	2	NC*				
Total	12.40	10	81				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	13.34	14	105	Male	4.06	2	NC*
Female	11.78	12	102	Female	11.68	10	86

Total	25.12	26	103
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	6.24	8	128
Female	3.00	2	NC*
Total	9.23	10	108
<u>Lung and Bronchus</u>			
Male	91.45	96	105
Female	80.62	79	98
Total	172.07	175	102

Total	15.74	12	76
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	37.91	33	87
<u>All Sites / Types</u>			
Male	583.28	527	90 #-
Female	638.59	616	96
Total	1221.87	1143	94 #-

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